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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

10/01/2004

KLARQUIST SPARKMAN, LLP One World Trade Center Suite 1600 121 S.W. Salmon Street Portland, OR 97204

EXA	MINER
REIFSNYD	DER, DAVID A
ART UNIT	PAPER NUMBER

DATE MAILED: 10/01/2004

1723

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/627,566	07/24/2003	George E. Wilson	4949-66289	3407

TITLE OF INVENTION: ENERGY-EFFICIENT DUCT, HEAD CELL WITH DUCT AND METHODS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$685	\$300	\$985	01/03/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE **Commissioner for Patents**

P.O. Box 1450

Alexandria, Virginia 22313-1450 (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where

or Fax

appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must 7590 have its own certificate of mailing or transmission. 10/01/2004

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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United

States Postal Service with sufficient postage for first class mail in an envelop addressed to the Mail Stop ISSUE FEE address above, or being facsimil transmitted to the USPTO (703) 746-4000, on the date indicated below.
(Depositor's name
(Signature

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/627,566	07/24/2003	George E. Wilson	4949-66289	3407

TITLE OF INVENTION: ENERGY-EFFICIENT DUCT, HEAD CELL WITH DUCT AND METHODS

REIFSNYDER, DAVID A 1723 210-512100 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/1/22) attached. Pree Address indication (or "Fee Address" Indication form PTO/SB/1/2Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent): 4a. The following fee(s) are enclosed: A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A pyment of Fee(s): A check in the amount of the fee(s) is enclosed. A pyment of Fee(s): A check in the amount of the fee(s) is enclosed. A pyment of Fee(s): A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A pyment of Fee(s): A check in the amount of the fee(s) is enclosed. A pyment of Fee(s): A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A check in the amount of the fee(s) is enclosed. A c	APPLN. TYPE	SMALL ENTITY	ISSUE FI	EE -	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
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REIFSNYDER, DAVID A 1723 210-512100 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. 1. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/122) attached. 1. "Fee Address" indication for "Fee Address" Indication form PTO/SB/147; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity 4a. The following fee(s) are enclosed: 4b. Payment of Fee(s): A check in the amount of the fee(s) is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached.	EXAM	MINER	ART UN	lT	CLASS-SUBCLASS]	
CFR 1,363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/122) attached. Change of correspondence address (or Change of Correspondence Address from PTO/SB/147, Rev 03-02 or more recent) attached. Use of a Customer Number is required. Change of correspondence address (or Change of Correspondence Address from PTO/SB/147, Rev 03-02 or more recent) attached. Use of a Customer Number is required. Change in Entity Status (from status indicated above) Change in Entity Status (from status indicated above) Action in Entity Status (from status indicated above	REIFSNYDI	ER, DAVID A	1723		210-512100	_	
4a. The following fee(s) are enclosed: Sissue Fee A check in the amount of the fee(s) is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. Advance Order - # of Copies Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized by charge the required fee(s), or credit any of Deposit Account Number (enclose an extra copy of this form at Applicant claims SMALL ENTITY status. See 37 CFR 1.27. A check in the amount of the fee(s) is enclosed. Payment by credit card. Form PTO-2038 is attached. Deposit Account Number Payment by credit card. Form PTO-2038 is attached. Deposit Account Number Payment by credit card. Form PTO-2038 is attached. Deposit Account Number Payment by credit card. Form PTO-2038 is attached. Deposit Account Number Payment of Fee(s): Deposit Acco	CFR 1.363). Change of correspon Address form PTO/SB/1 "Fee Address" indica PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME ANI PLEASE NOTE: Unless recordation as set forth in the secondary of the s	dence address (or Change of C. 22) attached. ation (or "Fee Address" Indicate or more recent) attached. Use of D. RESIDENCE DATA TO BE an assignee is identified belon 37 CFR 3.11. Completion of	correspondence ion form of a Customer PRINTED ON Tow, no assignee of this form is NOT	(1) the nor agents (2) the naregistered 2 registered, no THE PATEN data will ap a substitute	ames of up to 3 registered pate OR, alternatively, ame of a single firm (having as d attorney or agent) and the narred patent attorneys or agents. It name will be printed. IT (print or type) pear on the patent. If an assign e for filing an assignment.	a member a 2 nes of up to f no name is 3 nee is identified below, the d	
□ Issue Fee □ Publication Fee (No small entity discount permitted) □ Advance Order - # of Copies □ The Director is hereby authorized by charge the required fee(s), or credit any of Deposit Account Number (enclose an extra copy of this feed) 5. Change in Entity Status (from status indicated above) □ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. □ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2) The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee of interest as shown by the records of the United States Patent and Trademark Office. Date				No. of Contract of		Corporation or other private gro	oup entity Government
Publication Fee (No small entity discount permitted) Advance Order - # of Copies	_				• •	nclosed.	
Advance Order - # of Copies		small entity discount permitted	D		, ,		
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Authorized Signature Date	a. Applicant claims S	SMALL ENTITY status. See 37	7 CFR 1.27.	☐ b. Appli	cant is no longer claiming SMA	ALL ENTITY status. See 37 C	FR 1.27(g)(2).
	The Director of the USPTO NOTE: The Issue Fee and Finterest as shown by the rec	is requested to apply the Issue Publication Fee (if required) wi ords of the United States Paten	Fee and Publicat Ill not be accepted at and Trademark	tion Fee (if a I from anyor Office.	ny) or to re-apply any previous ne other than the applicant; a reg	ly paid issue fee to the applications applications are attorney or agent; or the	ation identified above. he assignee or other party in
	Authorized Signature	-			Date		
Typed or printed name Registration No	Typed or printed name _				_ Registration	1 No	

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	ING DATE FIRST NAMED INVENTOR		CONFIRMATION NO.
10/627,566	07/24/2003	George E. Wilson	4949-66289 3407	
75	90 10/01/2004		EXAM	INER
KLARQUIST SP	,	:	REIFSNYDE	R, DAVID A
One World Trade C	Center			
Suite 1600			ART UNIT	PAPER NUMBER
121 S.W. Salmon S	treet		1723	
Portland, OR 97204	1		DATE MAILED: 10/01/200	4

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



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KLARQUIST SPA One World Trade C	,		REIFSNYDE	R, DAVID A
Suite 1600			ART UNIT	PAPER NUMBER
121 S.W. Salmon St Portland, OR 97204			1723	-
			DATE MAILED: 10/01/200-	4

Notice of Fee Increase on October 1, 2004

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2004, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" because some fees will increase effective October 1, 2004. See Revision of Patent Fees for Fiscal Year 2005; Final Rule, 69 Fed. Reg. 52604, 52606 (May 10, 2004).

The current fee schedule is accessible from WEB site (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2004 (or mailed with a certificate of mailing on or after October 1, 2004), the issue fee paid should be the fee that is required at the time the fee is paid. See Manual of Patent Examining Procedure (MPEP), Section 1306 (Eighth Edition, Rev. 2, May 2004). If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See MPEP Section 1308.01.

Effective October 1, 2004, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below.

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

(b) Issue fee for issuing a design patent:

By a small entity (Sec. 1.27(a))

By a small entity (Sec. 1.27(a))............\$245.00 By other than a small entity........\$490.00

(c) Issue fee for issuing a plant patent:

By other than a small entity......\$660.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.